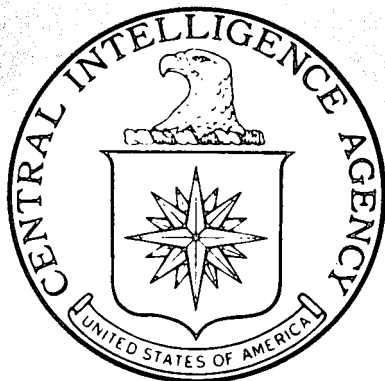


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PHOTOGRAPHIC INTELLIGENCE REPORT

CHINESE POWER PLANTS

KWEICHOW PROVINCE

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25X1

Declass Review by NIMA / DOD

GROUP 1
Excluded from automatic
downgrading and declassification

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DATE JULY 1966

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CHINESE POWER PLANTS

KWEICHOW PROVINCE

- (A) Ching-chen Hydro Power Plant
- (B) Ching-chen Thermal Power Plant
- (C) Kuei-yang Thermal Power Plant

REQUIREMENT

C-RR5-83,218

CIA/IAD PROJECT

30647-6

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FIGURE 1.



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CHING-CHEN HYDRO POWER PLANT

NPIC NUMBER - 5A

25X1

The Ching-chen Hydro Power Plant is located 2.5 nm west of Ching-chen at coordinates 26 30 00N - 106 24 45E and is fed by the waters from a reservoir formed by the Kung-ku Ho and Ma-hsien Ho (Rivers). The facility consists of an earthen dam, water intake tower, separated powerhouse, and concrete spillway. The powerhouse appears large enough to accommodate one or two turbo-generator units and probably furnishes power to two probable pumping stations situated on a reservoir spur west of the power plant. These probable pumping stations have several characteristics of small hydro power plants, but are connected by a small canal system which appears to be constructed on a down-gradient away from the probable pump facilities. These canals wind in a generally northern direction for at least 4 to 5 miles and do not connect with any reservoir or other source of water.

The power plant has not changed [redacted] and has never been observed in operation.

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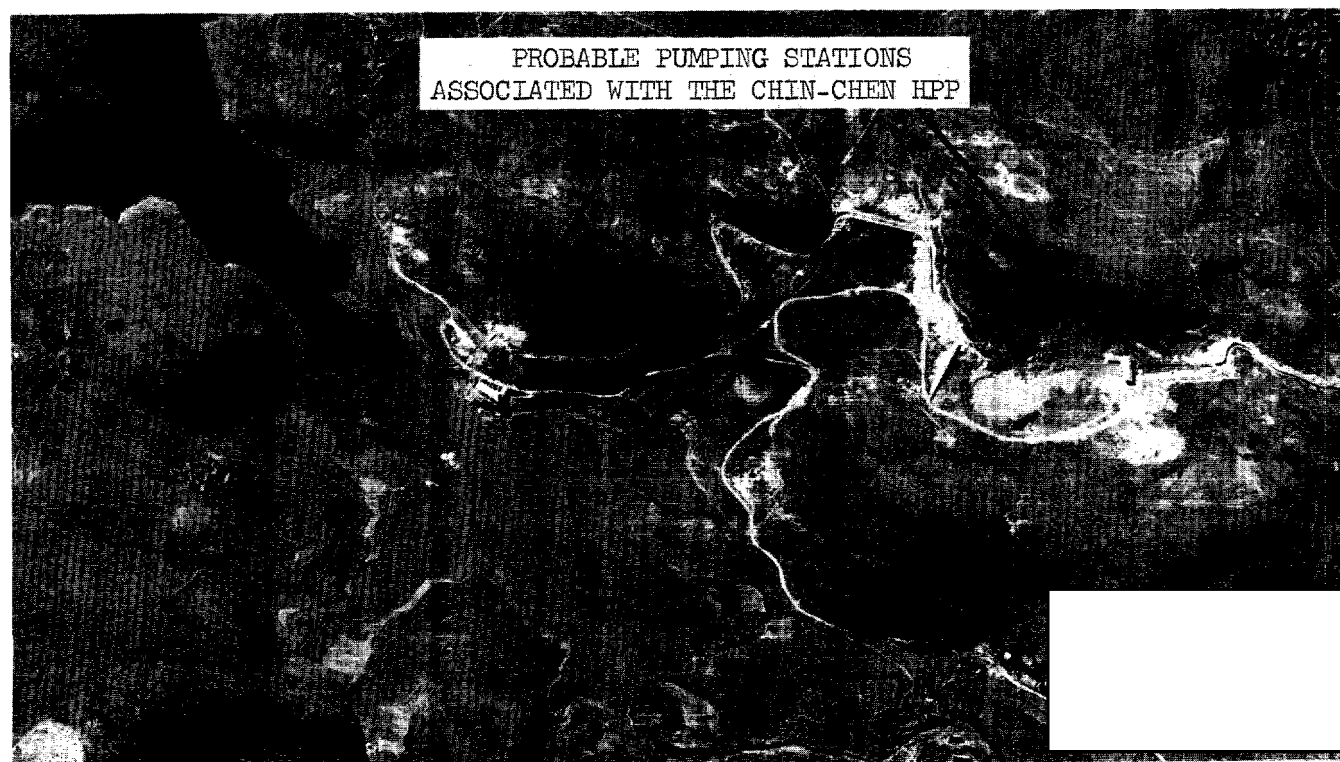
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FIGURE 2

CHING-CHEN HYDRO POWER PLANT



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PROBABLE PUMPING STATIONS
ASSOCIATED WITH THE CHIN-CHEN HPP

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CHING-CHEN THERMAL POWER PLANT

The Ching-chen Thermal Power Plant is located about 8.0 nm north-northwest of Kuei-yang Airfield at coordinates 26 41 20N - 106 38 40E. The facility is in an arrested state of construction and presently consists of a partially completed powerhouse, a control house, coal-conveyor, and a free-standing masonry stack. Uprights for a probable coal-unloading building and scarring for a rail-spur are apparent east of the plant.

The powerhouse has completed housing for one boiler-generator unit; the generator hall and boilerhouse walls for a second identical unit are also complete.

There has been no new construction
when last observed

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FIGURE 3

CHING-CHEN THERMAL POWER PLANT



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KUEI-YANG THERMAL POWER PLANT

NPIC NUMBER - IO-J

Kuei-yang Thermal Power Plant is located southwest of Kuei-yang at coordinates 26 32 45N - 106 41 05E. The facility is rail-served, coal-operated and consists of a sub-station with control house and three transformers, six small revetted oil storage tanks, coal unloading and conveying facilities and numerous support/storage buildings.

The boilerhouse is of two designs and probably contains five boiler units. The older southern section appears to be equipped with three separate flues which connect with stack A, indicating the presence of three units. The newer and taller northern section probably has two larger boiler units, each serviced by a three-duct flue which connects to masonry stack B. Photography [REDACTED] (Figure 4) revealed new construction which indicates that the plant will add two boiler-generator units of the size of those already installed in the northern section. The generator hall has three visible sets of power cables and probably two other sets of power cables. The three visible sets lead from the central and northern generator hall sections and the two probable power cables may be present between the southern end of the generator hall and the control house. The latter two pairs could be difficult to definitely identify because they lead from small generator units and are of smaller diameter.

Construction on a two unit addition to the powerhouse, completion of an oil storage area, and addition to minor storage/support buildings occurred [REDACTED]

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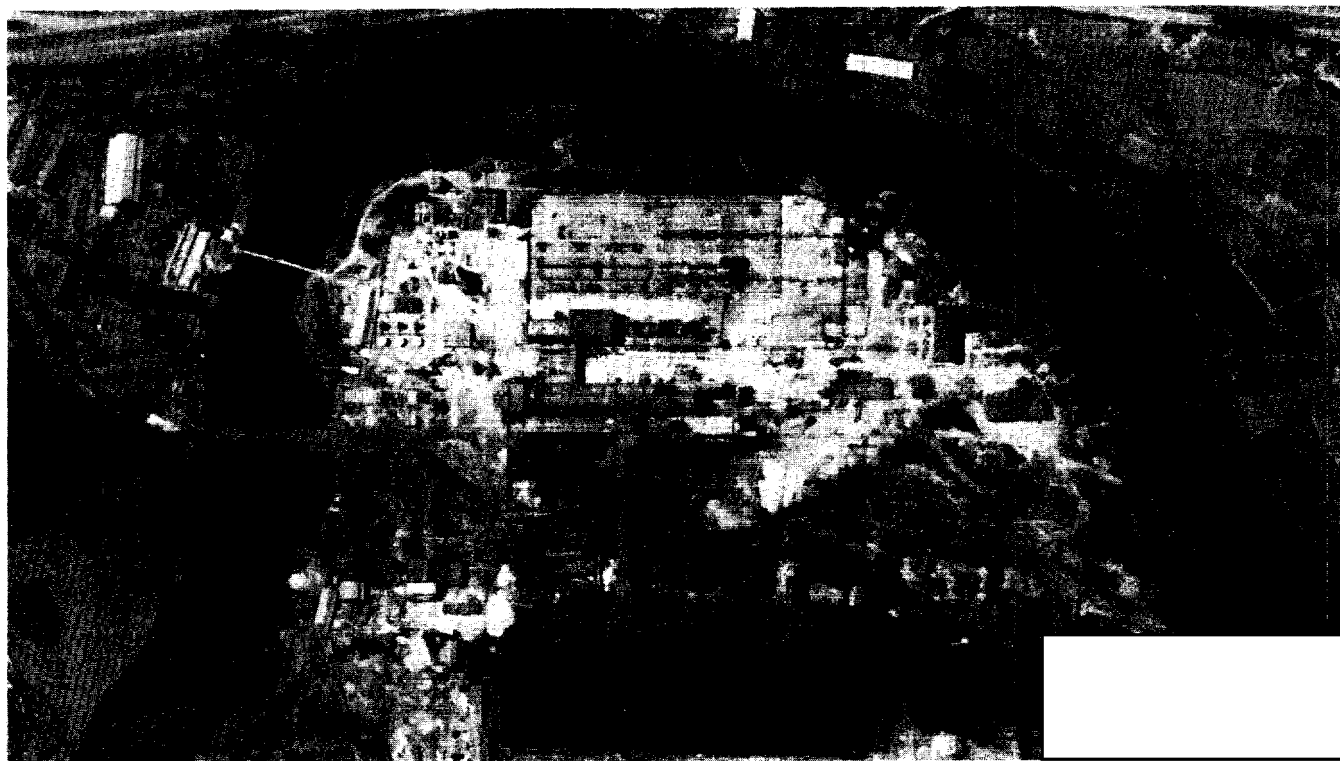
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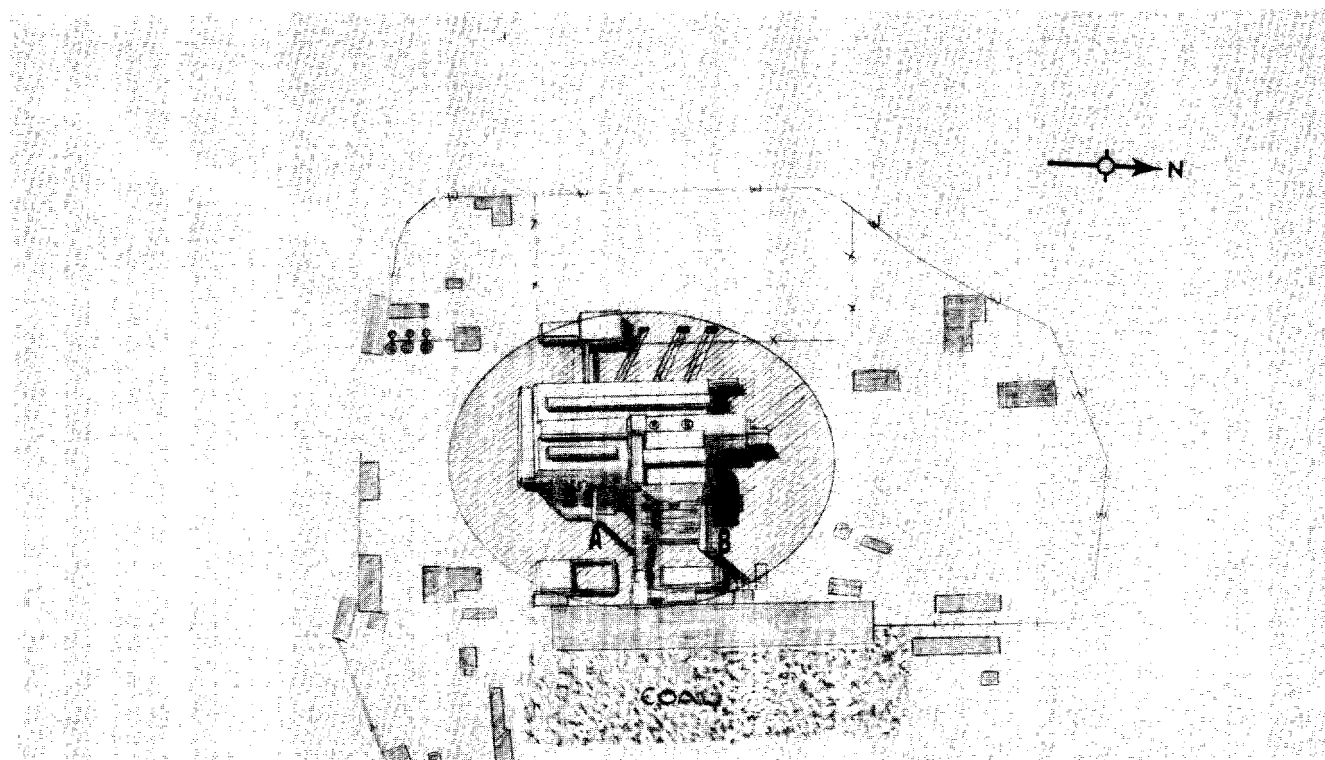
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FIGURE 4

KUEI-YANG THERMAL POWER PLANT



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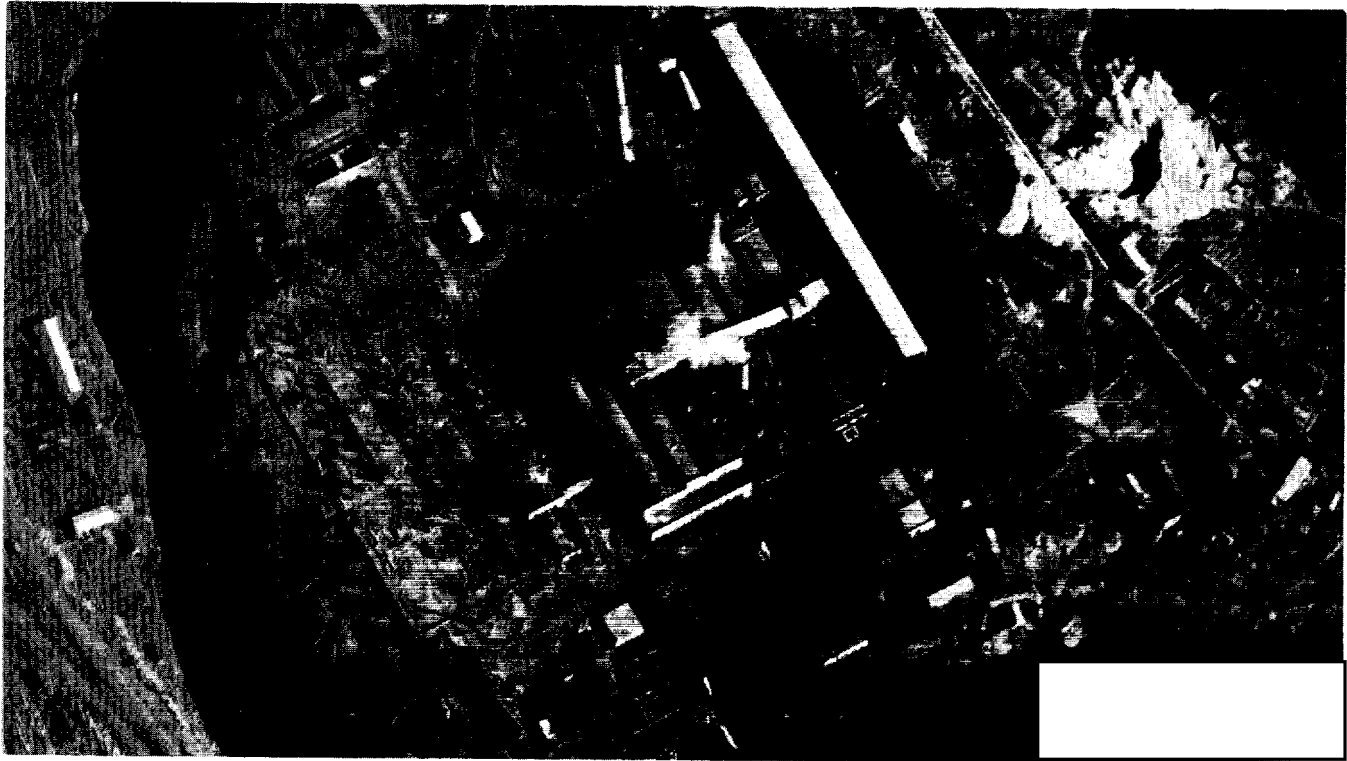
FIGURE 5

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KUEI-YANG THERMAL POWER PLANT



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CIA IMAGERY ANALYSIS DIVISION

KUEI-YANG THERMAL POWER PLANT

25X1

25X1

CONSTRUCTION ACTIVITY	LEVEL OF PRODUCTION
None apparent	Moderate smoke from stack A.
None apparent	Clouds preclude analysis.
None apparent	Clouds preclude analysis.
None apparent	Clouds preclude analysis.
POL storage tanks have been covered.	
Walls are nearly completed for addition to generator hall. Construction of eastern wall of the boiler-house is not evident.	Light smoke from stacks A and B.

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